



05 Oct 1962

The Missouri Miner, October 05, 1962

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Women's Dorm Helps MSM Become True Coed College

The women on the MSM campus have finally moved into their own dormitory facilities. With their quiet hours, recent house elections, and midnight studying, it seems that they have slipped

The girls share six bedrooms in the two and one half story house. There are no kitchen facilities, except a small snack bar, due to an extra bedroom on the ground floor. So the girls eat as



RESIDENTS OF NEW DORM

right into the groove of college life.

However, this school-managed dormitory for women was a long time in coming. When the Missouri Board of Curators was finally approached with the pressing need for a girls residence hall, they consented quite readily.

The Women's Residence Hall is actually due to the work of the Society of Women Engineers. Previously, most of the women students lived in private rooms throughout Rolla, where landlords resitated to rent a room to a girl too much trouble they said).

Now 15 girls enjoy friendly community living. The newly remodeled ten-room house at 1203 State Street is across the street from campus, offers the girls a place to entertain their guests, and makes them feel as a more integral part of campus life.

'77 Men Lost' Registrar Says

WILL THE FOLLOWING STUDENTS PLEASE LEAVE THEIR ROLLA ADDRESSES WITH THE REG. OFFICE. Any changes made since Reg. Day should also be reported to the Reg. Office.)

Abernathy, Bruce James
Abrams, Hardin T.
Adam, Ronald Giles
Adams, Stanley Brent
Aizal, Mohammed M.
Bachmann, Gregory Dexter
Beasley, William W. III
Bednar, Gregory Martin
Bilderback, James Edward
Boeneker, Frederick Richard
Bradley, Vaughn Ray
Brandt, Lewis Frederick
Bray, Robert Wells, Jr.
Brown, Curtis Carl
Buchanan, Charles D.
Caby, Harold Stephen
Call, William Roy
Carleton, David Lieb
Coffman, Diane Jean
Cox, Duane Ellsworth
Dickey, Fred McCartney
Dimmock, James Edward
Ellis, Frank Leon
Engelbrecht, Glennon Arthur
Erxleben, Robert Jr.
Espedal, Bruce William
Evan, Robert Wallis Jr.
Graham, Robert Henry
Helm, James Carlton
Herrmann, Frederick William
Hoel, John Erling
Hoge, Philip Ramage
Holtgreve, James Clark
Hong, Jae Hee
Howard, Cecil Martin
(Continued on Page 9)

Annual Parents Day on Oct. 6

Parents' Day is Saturday, October 6, and the School has prepared a full program for the students and their parents to take part in.

From 8:00 a.m. to 12:30 p.m. registration of parents and visitors will be held in the Student Union. During this same time period Dean Curtis L. Wilson will hold a reception in the Student Union for the purpose of greeting students and their parents. Also between 8:00 and 12:30 guided tours will leave the Student Union and groups will be taken to see the campus, laboratories, and engineering exhibits. The Interfraternity Council will supply guides for these tours.

At 1:50 p.m., preceding the football game, there will be a flag raising ceremony at Jackling Field with the MSM ROTC band performing. The Missouri Miner football team will then square off against Martin Branch of Tennessee at 2:00 for the Parents' Day ball game.

To complete the day a banquet (Continued on Page 4)

MINER

The Missouri

MISSOURI SCHOOL OF MINES AND METALLURGY

VOLUME 49

FRIDAY, OCTOBER 5, 1962

NUMBER 5

ATTENTION SENIORS:

Dean Wilson to Moderate Panel Discussion on Job Interviews

On Tuesday, October 9, at 7:30 p.m. the Student Union will present a panel discussion on job interviewing that will be narrated by Dean Wilson. Four of the top interviewers from the Midwest will be at the Student Union Ballroom, talking about the problems of planning your future in industry. Following these remarks by the panelists, the discussion will be thrown open to questions, which every upper-

classman must have as graduation draws closer.

The four panelists have had much experience in interviewing students and should be able to agonizing experience of job interviewing. They are: Mr. John W. Thomson, Assistant Manager Prof. Recruiting, of Monsanto Chemical Company in St. Louis; Mr. W. J. Van Nice, Area Employment Supervisor of Southwestern Bell Telephone in St. Louis; Mr. Robert V. Gray, of Salaried Personnel Placement with General Motors Corporation, Detroit, Michigan, and Mr. Harvey Leaver of Armco Drainage at Topeka, Kansas.

The subjects they will talk on are: "The interviewer's Obligation to the Employee," "The Interviewee's Obligation to the Employer," "What Employers

are Looking for in Employees," and "The Long Range Program of Selecting an Employer."

This is a program that has been sorely needed on this campus for some time. Every year as the seniors are interviewed by different employers they are faced with some of the biggest problems they have ever had; how to choose the right job with which to start their career in industry; and how to make a good impression on the employer when they are interviewed.

This program is intended to help out with these problems and to show what the employer is looking for in the student. It should prove valuable to all students but especially to the juniors and seniors who will soon be faced with the problems of interviewing.

Student Union Presents Mixers

For the third straight year the Mixer Committee of the Student Union Council has coordinated departmental mixers for the various departments on the MSM campus. The purpose of these mixers is to both acquaint the students with their departmental instructors and to acquaint the departmental instructors with their students. The mixers also give the students in the various classes an opportunity to meet with others in different classes, the freshmen meets the senior and the senior meets the freshman. Thus the mixers have helped to strengthen the overall unity in each department on campus.

The Mixer Committee, with eight members, has for these past three years done much to improve the efficiency and worthwhileness of these mixers. This year a more or less general agenda has been used for each meeting and this has proven effective.

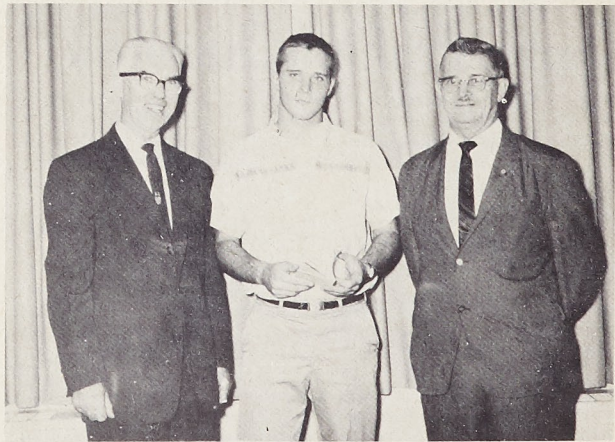
The mixers are opened by Graham Sutherland, who this year is the chairman of the Mixer Committee and who acts as master of ceremonies. The department chairman is introduced and then the faculty members. After these introductions one or two officers of the professional organization of the department are called on to briefly describe the functions and activities of the profession, organization. Generally a door prize of a free membership in the organization is given during the course of the evening.

With coffee and cake provided by the Student Union Council as refreshments the "mixing" begins. With everyone striking up conversations on various topics much can be learned from attending these mixers. Is there a better way to get to know your instructors and classmates?

As a nightcap to top the evening off, this year the council has been showing our old friend "The Road Runner" in one of his more well known adventures. Now that's how we make our evenings worthwhile.

Thru the efforts of the chairmen of the various departments as well as the faculty and students (Continued on Page 3)

Local APO Chapter Cited As Number One in U. S.



Pictured left to right: Joseph Scanlon, National Secretary APO; David Hemmel, President of Beta Omicron Chapter; and Prof. C. W. Eshbaugh, faculty advisor.

Mr. Joseph Scanlon, National Secretary of Alpha Phi Omega, National Service Fraternity, was the guest speaker at Beta Omicron's first Smoker, Tuesday, September 25.

The business which brought Mr. Scanlon to the Missouri School of

Mines was the duty and pleasure of informing Beta Omicron, the local chapter, that they were to be cited in the next issue of the national magazine, "Torch and Trefoil," as the number one chapter in colleges of this size in the United States. He complimented them on their fine advances and noted that they were a reflection upon the entire school, for everyone's cooperation was necessary to make their various drives a success.

NOTICE!
GUIDES WILL BE STATIONED
AT THE
STUDENT UNION
FROM
8 A. M. TO 3 P. M.
ON PARENTS DAY
THEY WILL DIRECT
CAMPUS TOURS
TWICE EVERY HOUR

NOTICE
MECHANICAL ENGINEERS'
MIXER
THURS., OCT. 11, 7:00 P. M.
STUDENT UNION
BALLROOM
EVERYONE WELCOME

Miner Editorials

Organizations Make Well-Rounded Miners

When a senior enters a room for his first job interview, he is presenting himself to the business world for the first time, presumably as a college graduate with a basic training in science and engineering. The interviewer, naturally, realizes that the person before him has shown by his college work that he has at least a passing proficiency with scientific problems. The interviewer may want a research man or a designer, where the primary prerequisite will be an above-average grade point, indicating an above-average engineer.

Then again the firm may be interested in obtaining a management trainee, whereupon the person's grade point will be an important factor, but the interviewer will be even more interested in how the student displayed leadership qualities. There are many yardsticks to determine this, but the most obvious and impressive one is the student's record in extracurricular organizations--i.e., did he join many, was he an officer in any, was he considered a leader on campus?

So the student's ability to mingle with people and his ability to become a leader in organization is a primary factor in job interviews, particularly since industry has indicated that they want scientifically trained men to lead their departments. This has resulted in many engineers continuing in school after receiving their B.S. degree, going on to receive Master's degrees in business and personnel management.

But what of the college graduate who is unable to do this? He must try to obtain as much of a background in the arts as possible while working toward his Engineering Degree. There are many universities which offer numerous courses in business as electives, but here at M.S.M. the selection is limited. The obvious alternative is to engage in activities outside the classroom which will enhance your social development. So we take this opportunity to encourage all students to take an active part in the many worth-while organizations that exist here at M.S.M. We know you will never regret it, and the benefits you will derive far outweigh any time spent.

Religious Organizations on Campus

There are many college students who tend to sleight their religious duties when they attend college away from home. To offset, this, there are many religious organizations and churches in Rolla which bend over backwards to make it easy and enjoyable for the M.S.M. student to keep abreast of his particular faith. These organizations, in general, have no aim but the offering of a chance to get acquainted with other Miners of a common religion, and to encourage these students in their practice of their faith. We would like to see more students join a religious organization of their choice, for a man with a belief that is ever with him has an advantage over the problems of the world.

Dr. Orlin Sutherland Well Known Prof. of Chemistry

For its Who's Who person on campus this week, the Miner has chosen Dr. Richard Orlin Sutherland, professor in the Chemical Engineering Department.

Dr. Sutherland is a man of widespread interests. He is a faculty advisor for the International Fellowship on campus and a member of the American Association of University Professors, the American Chemical Society, and Sigma Xi, a scholarship fraternity with membership composed of persons who have shown research ability in postgraduate work.

He prefers good company, over good food and good drinks.

His many literary interests lie partly in the Greek New Testa-

ment and the writings of C. S. Lewis. They also include the stories of Arthur Upfield, Manning Coles, and Margaret Scherf. Some of his other "enthusiasms" are the City Art Museum in St. Louis and the Hof Brau Restaurant of the same city.

To get back to the more conventional side of things, Dr. Sutherland was born in Chicago, Illinois, but early in his childhood he moved to Jamesville, Wisconsin, which he considers as his home. His high school days were spent at Lake Forest Military Academy in Lake Forest, Illinois. He received his Ph. B. and M. S. from Yale University in 1931 and 1934, respectively. In 1936, he acquired his Ph. D. from the University of Wisconsin.

Before coming to MSM, Dr. Sutherland taught at Northland College, Carleton College, Hamilton College, and the University of Wyoming. He came to MSM in 1951 and served as an Associate Professor until 1955 when he became Professor of Physical Chemistry.

Dr. Sutherland's research activities have laid in the field of solution kinetics.

In the summer of 1961, at a National Science Foundation Grant Project at Washington University, he taught an advanced course in Chemistry to outstanding high school students in the St. Louis Area.

Dr. Sutherland is a bachelor and lives on West Fourteenth Street in Rolla.

Student Council Minutes

Earl Neubeuer mentioned several people had been fined for parking on the ROTC drill field on rainy days even though drill was not held.

The motion was made by Gilmartin and seconded by Meehan to appropriate \$25 for office supplies for Prof. Lloyd's office as long as his office continues doing the paperwork for the Council. Motion passed.

The question was asked about organizations whose name was not on the Who's Who list. Schellman referred the question to the Section which states any organization whose constitution has been approved by the Student Council is eligible to grant Who's Who points to their members.

The motion was made by Rich Jauer and seconded by Kettler to ask for Free Day to be Monday, December 17. Motion carried.

Jim Christen made the motion, seconded by Jung, to appropriate \$627.70 for the school band. Motion carried.

LIBRARY:

Jerry Kettler stated research is being done on the possibility of getting a new library.

MIAA:

Kelly Martin is to report next meeting.

JACKETS:

Jeff Herbst reported the blazers are in and the jackets are being located.

OLD BUSINESS:

It was reported by Kelly Martin work has begun on the sidewalks requested last year.

NEW BUSINESS:

The motion was made by Mark Martin and seconded by Denny Meehan to purchase a wall cabinet to contain the names of members and alternates and a copy of the current minutes of the council to be placed in the Student Union. The cost is \$34. Motion passed.

The question of a parking lot for motorcycles is to be referred to the traffic committee.

Flu Shots to Be Given Free

MSM students are again being offered the opportunity to obtain flu shots free of charge. The first of this series of two shots will be administered on Friday, October 19, between the hours of 2:00 p.m. and 4:00 at the ballroom of the Student Union. The second shot will be administered on November 2nd, at the same time and place. Students who took both flu shots last year need take only one this year. It is hoped that all the students will take advantage of this offer so that the maximum amount of protection may be provided.

In a hurry to pick up a book for a friend's birthday, a man was lucky enough to find just what he wanted. As he was about to hand it to the busy clerk, he noticed that the book jacket was soiled. "Isn't this one a little dirty?" he asked.

"Mister," he was told impatiently, "I don't know—I haven't had time to read it."

At a party two men who had not been introduced struck up a conversation.

"Gosh, I'm bored," remarked one, "I think I'll flirt with some good looking woman so my wife will take me home."

"I can't," observed the other, "this is my home."



Washington U. Rally: Those are OUR Coeds.

At the Student Council meeting of September 26, president Clark read a thank you note. Bill Kratzer asked for money to convert sand greens on the school golf course to grass greens.

COMMITTEE REPORTS:

Phi Alpha has submitted a constitution to the committee for study, it was reported by Wayne Benz.

Mark Martin announced a meeting of alternates Tuesday, October 2, in the Student Union. Bids are to be sent out on placing a sign on U. S. 66 North of Rolla advertising the school. Articles are to be placed in the Miner publicizing the availability of school equipment to the student body.

Doug Schellman reported circulars have been posted on campus and those who would like to make application should pick up applications in the Student Union.

What's Your Gripe?

TELL ALL IN NEXT WEEK'S MINER POLL

In the next issue of the Miner there will be a poll sponsored by the Student Union. This poll will be for the benefit of the students. In this poll, the students will have a chance to list any complaints they have with regard to the way the Student Union is being run. They will, at the same time, be given a chance to make any suggestions which they believe will aid the functioning of the Student Union. Be sure to fill out the questionnaire in next week's issue of the Miner and do your part to make the Student Union a better organization.

General Lecture



A general lecture will be held in the Student Union Ballroom, at 7:00 and 9:00 P. M., Monday, October 15.

Featured will be the Chad

Mitchell Trio, a fast rising popular and folk singing group.

Students will be admitted free and non-student admission will be \$1.00.

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THE MISSOURI MINER is the official publication of the students of the Missouri School of Mines and Metallurgy. It is published at Rolla, Mo., every Friday during the school year. Entered as second class matter February 8, 1945, at the Post Office at Rolla, Mo., under the Act of March 3, 1879.

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Newman Club Plans Interesting Meetings

A large group of enthusiastic Newmanites assembled on September twenty-seventh for the second meeting of the year. A general spirit of hilarity reigned as the meeting closed with a Cartoon Carnival of four cartoons. Such favorite characters were seen as "Mr. Magoo," "Bugs Bunny," and "Little Lulu."

The program for the meeting on October eleventh will include a lecture on "Infallibility of the Church," which will be given by Father Raymond Rau, Pastor of Immaculate Conception Church in St. James. On the lighter side of the evening will be a very interesting film, "Sports Cars — The Rage to Race." This should prove to be a very entertaining movie.

The schedule of meetings this semester remains the same as in previous years. The meetings will be on the second and fourth Thursday of each month at 7:00 p. m. in the auditorium of St. Patrick's School.

BSU Has an Active September

Through the month of September the Baptist Student Union has been humming with activity. September 3rd through 9th was Freshman week, a week which included a Bar-B-Q, Meet the Professors, a progressive dinner, and was topped off with a retreat at Camp Windermere on the Lake of the Oaks. On September 15th, a get acquainted party was held and was followed the next weekend by a Nurses Party in St. Louis.

This week is Summer Missions Emphasis Week, and will be climaxed October 13th, with a Summer Missions Work Day. On this day students at the B. S. U. give a few hours of their time doing odd jobs for people in surrounding communities and thus help reach the goal of \$500. This money will be used to finance a student summer missionary to a foreign country.

This year Gary Achenbach served as the summer missionary to the Philippine Islands, serving from March through July.

A cordial invitation is extended to all students to use the B. S. U. facilities.

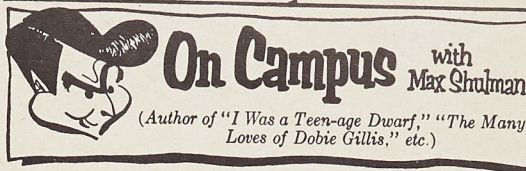
MIXERS

(Continued From Page 1)

the council has been able to make these mixers a success. Each year the attendance seems to increase. Why don't you go and learn more about your department and thus, your school?

When he kisses me with those thick glasses on, I feel like I'm window shopping.

ATTEND THE MINER FOOTBALL GAMES



WHAT TO WEAR TILL THE DOCTOR COMES

Now that you have enrolled and paid your fees and bought your books and found your way around campus and learned to hate your roommate, it is time to turn to the most important aspect of college life. I refer, of course, to clothes.

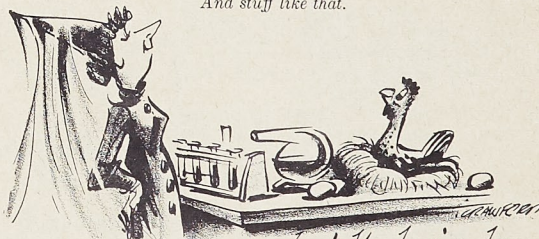
What does Dame Fashion decree for the coming school year? (Incidentally, Dame Fashion is not, as many people believe, a fictitious character. She was a real Englishwoman who lived in Elizabethan times and, indeed, England is forever in her debt. During the invasion of the Spanish Armada, Dame Fashion—not yet a Dame but a mere, unlettered country lass named Moll Flanders—during the invasion, I say, of the Spanish Armada, this dauntless girl stood on the white cliffs of Dover and turned the tide of battle by rallying the drooping morale of the British fleet with this stirring poem of her own composition:

*Don't be gutless,
Men of Britain.
Swing your cutlass,
We ain't quittin'.*

*Smash the Spanish,
Sink their boats,
Make 'em vanish,
Like a horse makes oats.*

*For Good Queen Bess,
Dear sirs, you gotta
Make a mess
Of that Armada.*

*You won't fail!
Knock 'em flat!
Then we'll drink ale
And stuff like that.*



As a reward for these inspirational verses Queen Elizabeth dubbed her a Dame, made her Poet Laureate, and gave her the Western Hemisphere except Duluth. But this was not the extent of Dame Fashion's service to Queen and country. In 1589 she invented the laying hen, and she was awarded a lifetime pass to Chavez Ravine. But she was not to end her days in glory. In 1591, alas, she was arrested for overtime jousting and imprisoned for thirty years in a butt of malmsey. This later became known as Guy Fawkes Day.)

But I digress. Let us get back to campus fashions. Certain to be the rage again this year is the cardigan (which, curiously enough, was named after Lord Cardigan, who commanded the English fleet against the Spanish Armada. The sweater is only one product of this remarkable Briton's imagination. He also invented the glottal stop, the gerund, and the eyelid, without which winking, as we know it today, would not be possible).

But I digress. The cardigan, I say, will be back, which is, I believe, cause for rejoicing. Why? Because the cardigan has nice big pockets in which to carry your Marlboro Cigarettes—and that, good friends, is ample reason for celebration as all of you will agree who have enjoyed Marlboro's fine, comfortable, mellow flavor and Marlboro's filter. So why don't you slip into your cardigan and hie yourself to your tobaccoconist for some good Marlboros? They come in soft pack or flip-top box. Cardigans come in pink for girls and blue for boys. © 1962 Max Shulman

Cardigans or pullovers—it's a matter of taste . . . And so is Marlboro a matter of taste—the best taste that can possibly be achieved by experienced growers and blenders—by science, diligence, and tender loving care. Try a pack.



Girls practicing for cheer leading in back of girls' dorm.



Girls leading cheers at Washington U. rally.

School Acquires New Instructors In Chemistry Department

Dr. Robert M. Wellek is one of our most recent new appointees to the Chemical Engineering Dept. staff. He comes to us after completing his Ph. D. Degree in Chemical Engineering from Illinois Institute of Technology in June 1962. His B.S. was received in 1957. Previously he had been employed as a consultant with J. Tannenbaum, Electronic Consultants.

Dr. Wellek hails from Chicago where he attended high school and Illinois Tech. through his education years. He is a member of Tau Epsilon Phi Social Fraternity and Tau Beta Pi, the honorary engineering society. He is now living in Rolla with his wife.

Dr. Jacques L. Zakin is also a new instructor here at MSM. He received his B. S. from Cornell University, his M. S. from Columbia University, and Doctorate from New York University. He is a member of Phi Lambda Upsilon fraternity and the A. I. Chem. E.

He was formerly employed at the Socony Mobil Oil Company where he was supervising technolo-

gist. He is living in Rolla now with his wife and three children: one 4, one 6 and the other about a month old.

Steve Allen knows of a poor girl who has a perfect Supreme Court figure: no appeal!

He may not have the know-how, but he'll learn. After all, he's got a brain—and it's the little things that count.

Yes, my wife and I had a fight, but we made up afterwards. Can't you see the lipstick on my black eye?

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MSM Profs Active off Campus

Dr. Jack Rivers

Dr. Jack L. Rivers, Assistant Professor of Physics at the Missouri School of Mines and Metallurgy, is in attendance at the conference on the foundations of quantum mechanics of the American Institute of Physics being held at Xavier University in Cincinnati on October 1st through the 6th.

The meeting, open to only certain scientists by invitation, is under the sponsorship of the National Aeronautics and Space Agency, the Office of Naval Research, and the Judge Robert S. Marx Foundation.

The specific topic to be discussed at the quantum mechanics meeting is the Ehrenberg-Siday-Aharonov-Bohm effect, and its relation to the Einstein-Podolsky-Rosen paradox.

Rivers, who received his Ph.D. at the University of Cincinnati has been teaching at the Missouri School of Mines and Metallurgy's Department of Physics since 1956.

Dr. Robert Gerson

Dr. Robert Gerson, Professor of Physics at the University of Missouri School of Mines and Metallurgy, has presented a paper at the Symposium on the Physics of Failure in Electronics held in Chicago on September 26th and 27th, it was announced by Dr. Harold Q. Fuller, Chairman of the School's Department of Physics.

The paper, prepared by Dr. Gerson and D. A. Berlincourt who is with the Clevite Corporation of Cleveland, Ohio, dealt with "Some Aspects of Dielectric Degradation in Perovskites".

The Symposium was sponsored by the Rome Air Development Center, an agency of the United States Air Force, and the Armour Research Foundation of the Illinois Institute of Technology Site for the Symposium was the Illinois Institute of Technology in Chicago. The Symposium is to provide research personnel with an opportunity to present and discuss new findings in the field of physics of failure in electronics.

Dr. Robert Siehr

Dr. Donald J. Siehr, Associate Professor of Chemistry at the Missouri School of Mines and Metallurgy, was active during the past summer at the Argonne National Laboratories.

Dr. Siehr, who has been conducting biochemical research at the School, was a research resident associate at the National Laboratory in the Biology and Medical Division. His specific area of research during the summer stay at Argonne was concerned with isolation of plant growth hormones as might be affected by radiation. This project was only one of many vast programs underway at Argonne.

PARENTS DAY

(Continued From Page 1)

will be held at 6:00 in the Rolla High School Cafeteria. The banquet will be highlighted with a talk from Mr. Henry P. Andrae, a member of the Board of Curators of Missouri University.

College Football Highlights Alabama Win Predicted

Perched solidly on the throne of college football again this week, top-ranked Alabama will win its third game of the young season. Vanderbilt is the "dead-dog" by 46 points.

U. C. L. A., a bit tardy getting into the 1962 gridiron picture, may wish it had waited another week. They meet the 2nd-ranked Ohio State Buckeyes, and according to the Harmon ratings, the Uclans will be clipped by 17 points.

Almost a four-touchdown favorite over the Hoosiers of Indiana, the surprising Wisconsin Badgers are ranked in the number three spot in the country this week.

Tulane will no more than get itself off the ground after being run over by Alabama, than they'll be knocked flat again by 4th-rated Texas. The Longhorns will stomp the Wave by 33 points.

Rated on the 5th rung of the

national ladder, Mississippi's trouble increases a wee bit with each game. The Rebel is still favored over the Houston Cougar by two touchdowns.

Louisiana State, number 6, and Georgia Tech, number 7, meet in Atlanta Saturday afternoon in one of the top attractions in the country. Harmon picks L. S. U. over the undefeated Yellow Jackets by four.

And the Razorbacks of Arkansas are the 8th ranking team in the Top 20 this week. They run into Southwest Conference competition for the first time this season in the Horned Frogs of T. C. U. The winner — Arkansas by ten points.

Bright and shiny last week, the Harmon crystal ball picked 97 games right and missed on 29 — there were 4 ties — for an average of .770. And the season's totals to date are 283 correct, 92 incor-

(Continued on Page 9)

LITTLE MAN ON CAMPUS



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Fraternities of MSM

High Pledge Total

With the 1962 Fall Semester well underway, the sixteen social fraternities on campus have reported a total of approximately 284 men pledged. Of this number 230 were freshmen, out of 812 enrolling, and 54 were upperclassmen and transfers.

The breakdown by houses shows Pi Kappa Alpha leading with 42 pledges, followed by Kappa Sigma with 27. Kappa Alpha pledged 23, Sigma Nu has 22, Tau Kappa Epsilon has 21, Sigma Pi, 19; Phi Kappa Theta, 18; Lambda Chi Alpha, 18; Triangle, 17; Theta Xi, 16; Beta Sigma Psi, 13; Acacia, 9; Delta Sigma Phi, 9; Sigma Tau Gamma, 9; and Phi Alpha has a total of 5 pledges.

Following some of the best rush parties in several years here at MSM, all of the houses are reported well pleased with this year's crop of pledges and are looking forward to some excellent showings from these men in the following years. The pledges have jumped right into the spirit of fraternity life and many houses have already indicated plans for an early pledge dance.

New pledges are essential to all houses and from looking at this year's pledge classes, MSM fraternities should be stronger than ever in the next few years.

Three Scholarships To Be Awarded

Three Lucy Wortham James Scholarships valued at \$220 each will be awarded during the current semester. These scholarships are provided by the James Foundation from the estate of Lucy Wortham James in memory of her family. The James family were pioneer iron smelters and operators of the Meramec Iron Works near St. James, Missouri.

Recipients of the scholarships will be selected by a Faculty committee on the basis of scholarship, integrity, engineering promise and need. Students from any of the four undergraduate classes may apply. Application blanks are available in Dean Ponder's Office, Room G6, Parker Hall.

It is suggested that all applications be filed no later than October 12, 1962. Selection of recipients will be made as soon as possible after that date.

NOTICE

A copy of the traffic regulations as adopted by the Board of Curators may be obtained at the Traffic Safety Office, Building T-7.

NOTICE!

MATH AND PHYSICS MAJOR MIXER
THURS., OCT., 11, 7:00 P. M.
STUDENT UNION BALLROOM
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Jeweler
G. L. Christopher
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OMEGA
Ω

PHI ALPHA

Saturday, September 29, Phi Alpha held activation ceremonies. Bill Gunn, Lawrence Wideman, Bob Porterfield, and Roger Hudson were received into the brotherhood of Phi Alpha. A banquet followed the activation ceremonies in honor of the our new brothers.

Officers for the fall semester are Rick Beckmann, president; Don Williams, vice-president; Don Reuling, treasurer; Clark Allen, recorder; Tom Kelly, correspondent; Fred Herrmann, chaplain; Tony Conigliaro, steward; Dan Schmidt, chronicler; and Bill Morris, herald.

SIGMA PHI EPSILON

After the Miner-Wash. U. game last Saturday, the Sig Eps from the Missouri School of Mines chapter got together for our annual "Wash-out" party. All but two from Missouri Gamma made the party, as well as many alumni from both chapters. An innovation was a highlight of this party—a cat stomp. To be sure, everyone had a great time (except the cat).

Our pledge class elected its officers last Thursday night. President is Gary Nickens from Alton, Illinois, and Bob Asher, Elmhurst, Illinois, is the vice-president. Rich Schmersahl from O'Fallon, Missouri, was elected secretary-treasurer. Sergeant-at-arms is Phil Johnson from Sterling, Illinois.

Last Saturday we had our first "outing" of the semester. Most of the actives and pledges managed to get pretty wet, both inside and outside. If any ladies were present, they were treated to a medley of beautiful, inspiring songs—with our own lyrics.

Glee Club to Present Concert

The MSM Glee Club, a 60 voice singing group, will present its first concert this Saturday, at the Parents' Day banquet.

The Glee Club, under the direction of John Brewer, will present a varied program including music from "The Student Prince" by Romberg; and a selection from the Broadway musical "Me and Juliet" by Rodgers and Hammerstein. "The Halls of Ivy" and an arrangement of "Ride the

MSM Students Assisted By Various Scholarships

The following are MSM students who have been named recipients of scholarships:

Arlen R. Schade, Jr. has been named recipient of the International Nickel Company Scholarship at the Missouri School of Mines and Metallurgy for the 1962-63 academic year. The International Nickel Company makes this scholarship available to an outstanding student with preference given to a student in metallurgy.

John William Brown has been named recipient of the Louis Ware Scholarship at Missouri School of Mines and Metallurgy for the 1962-63 academic year. This scholarship is provided by the International Minerals and Chemical Corporation of Skokie, Illinois in honor of Mr. Ware, a former President and Chief Executive of the Corporation. It is available to a senior student in the field of Mineral Science. At the end of his senior year the scholarship holder is eligible to compete for a Louis Ware Fellowship which provides a stipend enabling the student to do up to three years of graduate work leading to the doctorate.

Glenn Ray Correll, a sophomore in Metallurgy with a nuclear option, son of Mr. and Mrs. Nathan R. Correll, Route 1, St. Catherine, Missouri, has been named as the recipient of the American Society for Metals Foundation Scholarship at the Missouri School of Mines and Metallurgy for this school year. This scholarship was established by the American Society for Metals Foundation for Education and Research to stimulate enrollment of outstanding students in Metallurgical Engineering.

Mark Allen Martin has been named recipient of the Harbison-

India Association

The following executive committee was elected on Friday, September 28, 1962.

Kuldip Singh Chopra, president; Devin Mehta, vice-president; G. H. Mohajir, secretary-treasurer; Milan Roy, executive member; and Mahesh Patel, executive member.

Chariot" will also be presented.

In addition to these numbers, the audience will be invited to join with the Glee Club in the singing of several old favorite songs.

Walker Charitable Fund, Inc. Scholarship which is being offered on the campus of Missouri School of Mines and Metallurgy for the first time this year. The Harbison-Walker Company makes this scholarship available to an outstanding student in the Department of Ceramic Engineering.

The Blanche and John Bowles Scholarship at Missouri School of Mines and Metallurgy has been renewed to Robert Alfred Harris for this school year. Mr. Bowles is a graduate of Missouri School of Mines and Metallurgy, class of 190h, and resides at Lake Springs, Missouri. He and Mrs. Bowles have established this scholarship to assist worthy students with outstanding scholastic records and personal qualities.

The Robert Emmett Dye Scholarship has been renewed to Guth-

erie Layman Scaggs, a sophomore in Mining Engineering.

The Robert Emmett Dye Scholarship is made available through an endowment fund established by Mrs. V. H. McNutt in honor of her late husband, a distinguished alumnus of Missouri School of Mines and Metallurgy.

The Albert E. Buck Memorial Scholarship at the Missouri School of Mines and Metallurgy has been renewed to Jay Wray Alford for this academic year. This Scholarship was established by the Rio Grande Steel Products Company, Inc. of Albuquerque, New Mexico in honor of Albert E. Buck, a 1925 graduate of MSM and former president and owner of the company.

Recipients are announced for the Jesse H. Steinmesch Memorial Scholarships at the Missouri School of Mines and Metallurgy for the 1962-63 school year. These scholarships are made available by the Minerva Oil Company in honor of Mr. Steinmesch who was

(Continued on Page 7)

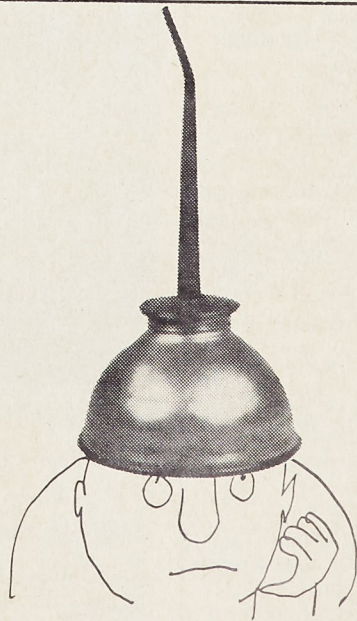
TRAFFIC DEATHS

OCTOBER 1961

79 KILLED

SUN	MON	TUE	WED	THU	FRI	SAT
1 2	2 ☀	3 3	4 1	5 2	6 3	7 3
8 1	9 3	10 3	11 2	12 2	13 4	14 6
15 1	16 3	17 ☀	18 4	19 4	20 ☀	21 1
22 9	23 ☀	24 3	25 2	26 1	27 3	28 3
29 2	30 3	31 5	Please Drive With Care STOP! When school buses stop to load or unload!			

The Missouri Highway Patrol Says
TRAFFIC SAFETY DEPENDS ON YOU



LET VITALIS® KEEP YOUR HAIR NEAT ALL DAY WITHOUT GREASE!
Keep the oil in the can. In your hair, use Vitalis with V-7®, the greaseless grooming discovery. Fights embarrassing dandruff, prevents dryness—keeps your hair neat all day without grease.



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Members of MRHA enjoying dance.

First Lindenwood Mixer Great Break From Studies

The M. R. H. A. started the year off on a sound note with its first mixer with Lindenwood College last Saturday night.

The two bus-loads of girls arrived Saturday afternoon to be met by their escorts. At that moment, 3:25 p. m. to be exact, the entire dormitory system became alive with well-dressed Miners, the hustling of luggage into McAnerney Hall, and anxious talk of the dance that night.

After two hours of campus touring or talk in the lounges of the dormitories, the evening began with a roast beef dinner in Rayl Hall.

When the girls met their escorts

for the dance, they were greeted by the crisp night air, rainbow-colored lights illuminating the quadrangle, and all the makings of a truly enjoyable evening.

Inside decorated Rayl Hall the five-man Ray Eldridge Band and the soft lighting gave the MRHA'ers a most welcomed break from their daily grind.

John Wheeling, Social Chairman of the MRHA, as been working like a Trojan this year to give the dorm men more opportunities to get out and really enjoy TGIF. He hopes that with a little help from the MRHA members he can accomplish his goal.

Ten Houses of MRHA Elect Officers for '62-'63

The recent elections throughout the MRHA dormitory system have finally been completed. Following are the results:

Executive Board

George Taylor, president; Donald Jenkins, vice-president; Greg O'Neill, secretary; and Roger Peimann, treasurer.

House Governors

Robert Jung, James Bilderback, Charles McDuff, Ronald Klein, Jim Boeger, Donald Bugg, James Terry, Dennis Clark, Jack Beebe, and Bob Madding.

House Lt. Governors

Frank Lanson, Larry Siever, John Buser, Kenneth Broeking, Greg O'Neill, Gregory Goldbogen, Haruhisa Fukubayashi, Philip Bording, Myron Gruber, and Jerry Kettler.

House Secretaries

Tom Hale, Terry Martin, Don Gardner, and Gary Sullwold.

House Treasurers

John Roberts, Rohn Abbott, and Bud Clarke.

House Secretary-Treasurers

Gayle Peterson, Gregory Gagne, Les Stewart, John Porter, James Skarecky, and John Andesilich.

Judicial Board Members

Chairman Frank Eirten, Paul Owens, Steven Redington, Arthur Martel, Don Freese, James Schoeffel, James Lysaught, Harold Rochester, Robert Randall, and Joseph McMahan.

Committee Heads

Athletic — Geof Goldbogen (intramural) — Pete Johnson (interdorm).

Publicity—James Pappus.

Large Turn-out at Dames' Fall Tea

The University Dames Annual Fall Tea was held in the home of Mrs. Curtis L. Wilson Sunday, September 30 from 3:00 until 5:00 p. m. This year as in years past the tea was a great success. The purpose for such an event is to acquaint old and new members alike with our organization and our advisors, Mrs. Curtis L. Wilson, Mrs. Daniel S. Eppelsheimer, Mrs. Dudley Thompson, and Mrs. J. Kent Roberts.

The Dames would like to take this opportunity to express our sincere thanks to Mrs. Wilson for very graciously opening her home and extending her warm hospitality to us.

The first meeting of the University Dames was held in the Student Union Ballroom Tuesday, September 25th at 7:30 p. m. It was very enlightening to see the large number of new Dames coming into our organization.

NOTICE!

Due to interest in improved grade point and other activities the B. S. U. will close at 9:00 P. M. instead of the usual 10:30 P. M., Monday through Thursday, but will remain open till 11:00 P. M. Friday, Saturday, and Sunday.

Get on the nation's top inertial guidance team with AC's career acceleration program

Recent technical graduates coming into AC are offered a 32-week career acceleration program which moves them rapidly into an actively productive position. The two-phase program consists of:

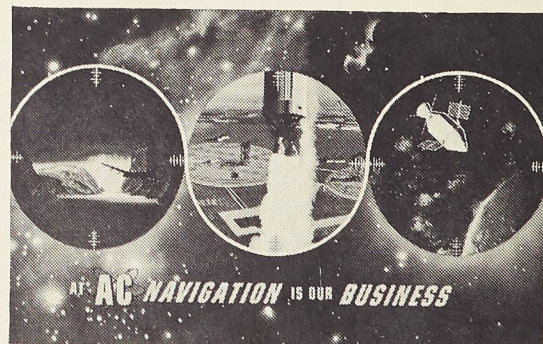
phase I . . . EIGHT WEEKS OF FORMAL ENGINEERING CLASSES IN THE AREAS OF: SERVO-MECHANISMS • SEMI-CONDUCTOR TECHNOLOGY • THEORY OF INERTIAL GUIDANCE • RELATED INERTIAL NAVIGATION TOPICS

phase II . . . ACTUAL WORK IN THE ORGANIZATION'S THREE MAIN TECHNICAL AREAS: ENGINEERING • RELIABILITY • OPERATIONS

contact your College Placement Officer regarding a General Motors-AC campus interview, and send for the informative brochure "At AC, Navigation is Our Business" . . . send the form below to: Mr. G. F. Raasch, Director of Scientific and Professional Employment, Dept. 5753, AC Spark Plug Division, General Motors Corporation, Milwaukee 1, Wisconsin.

ON CAMPUS INTERVIEWS — WEDNESDAY & THURSDAY, OCTOBER 10 & 11, 1962

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For more information regarding Field Service Engineering opportunities with AC, send this form to:
Mr. G. F. Raasch
Dept. 5753, AC Spark Plug Division
Milwaukee 1, Wisconsin

NAME _____
STREET _____
CITY AND STATE _____
SCHOOL _____
DEGREE _____ AVAILABILITY DATE _____

Busloads of Girls Will Pour in for All-School Mixer

On Saturday, October 13, a great change will be noticed on MSM's campus as girls will come pouring in from other schools to greet the Miners.

The Student Union Mixer Committee has arranged for an abundant supply of girls to attend this year's first All-School Mixer. Girls will be imported from such places as Lindenwood, Missouri University, William Woods Colleges, Christian College, Cotney, and Monticello Nursing School.

The buses will begin arriving at the Student Union early Saturday afternoon, and the girls may be met then. Entertainment for the afternoon will feature Mugsy Specker and his Gaslighters from Gaslight Square in St. Louis. His group has appeared at MSM many times before and has always been a hit. They will play from 2:00 till 5:00.

The evening will find Cy Touff and his band from Chicago providing the entertainment. The dance will start at 8:00 and last till 12:00 in the Student Union Ballroom.

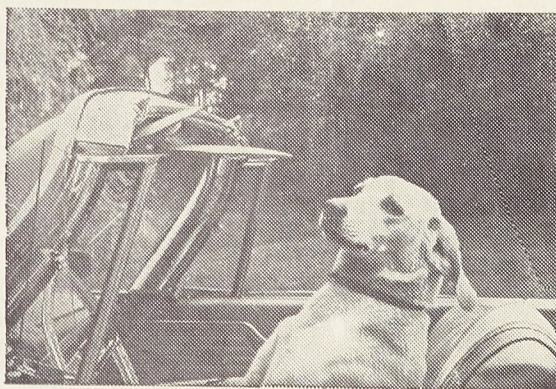
The Library of Congress, Washington D. C., is one of the largest structures of its type in the world. The main building was constructed at a cost of \$7 million. The Library and its annex occupy 13 acres of ground and contain more than 36 acres of floor space.

STUDENTS WELCOME

Meal Tickets Available

C & B Cafe

Between Rolla and Pine Street on 9th



You're still in the driver's seat, Rover:

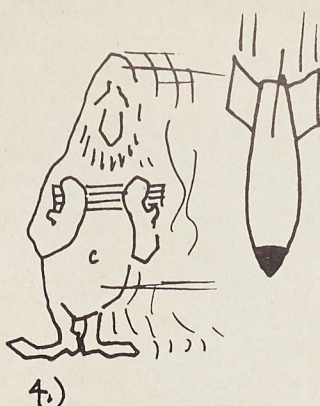
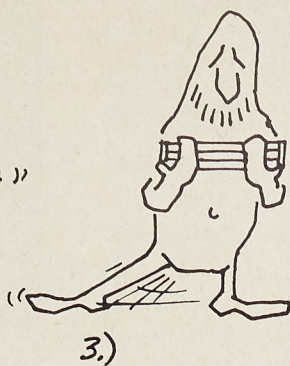
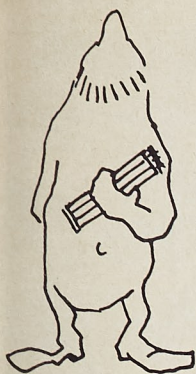
We won't challenge your claim to be man's best friend. But the busy man's next best friend is our DRIVE-IN BANKING service. Move over just a little, and let your master, or his wife, try this convenience!

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THE ENGINEER - BY KRIEGER



Missouri School of Mines Students Receive Scholarships for School Year

Dennis D. Schwerzler has been named recipient of the St. Louis Science Fair Scholarship for the 1962-63 school year. The Board of Curators of the University of Missouri, of which the School of Mines and Metallurgy is a division, makes this scholarship available to a Missouri high school senior participating in the St. Louis Science Fair for use at the Missouri School of Mines and Metallurgy during his freshman year. In addition, Eric Otto Aueron, a sophomore in Physics, and Brian Joseph Roth, a senior in Physics, who received Science Fair Scholarships in previous competitions have had them renewed for this academic year.

Four recipients have been named for the Lura and George Easley Scholarships at the Missouri School of Mines and Metallurgy during this academic year. George A. Easley, a graduate of Fissouri School of Mines and Metallurgy, class of 1909, and his wife, Lura, have established these scholarships which are open to incoming freshmen and may be renewed for the sophomore year.

Recipients are: John Vincent Andeslich, Wilbur Curt Deegan, Hugh Lee Irwin and Gary David Rueter.

Franklin Edward Brunjes has been named as the recipient of the Associated General Contractors of Missouri Scholarship at the Missouri School of Mines and Metallurgy for this academic year. This scholarship was established by the association to further careers in Civil Engineering.

William R. Oliver has been named recipient of the District Speech Festival Scholarship at Missouri School of Mines and Metallurgy for this academic year. This scholarship is awarded annually by the Curators of the University of Missouri, of which the School of Mines and Metallurgy is a division, to a student who won distinction in the District Speech Contest held in Rolla each year.

Two recipients have been named for the Monsanto Chemical Company Scholarships at the Missouri School of Mines and Metallurgy for this academic year. The scholarships are provided from a grant awarded to the school by the Monsanto Chemical Company and are based on scholarship, need and personality. They are made available to outstanding students majoring in the fields

of Chemical or Mechanical Engineering.

Recipients for the 1962-63 academic year are: Gary Lee Kelso and Stanley Alexander Salof.

The Acme Foundry and Machine Company in Springfield, Missouri, has established a new scholarship at Missouri School of Mines and Metallurgy for this academic year. The scholarship is awarded to an outstanding student from specified counties in Missouri, Arkansas, Oklahoma, Kansas.

The recipient for the 1962-63 academic year is Richard John, entering freshman.

John Homer Ainsworth, son of Mr. and Mrs. John R. Ainsworth, Delmont, Pennsylvania, has been named recipient of the Pennsylvania Glass Sand Corporation Merit Award for the two semesters of the current school year. This scholarship established by the Pennsylvania Glass Corporation is made available to the junior student in the Department of Ceramic Engineering attaining the highest scholastic average for that year's work, for use in his senior year.

The St. Louis Section of MSM Alumni Association Scholarship has been renewed to Donald Ar-

min Bugg for the 1962-63 Academic year. Bugg is a sophomore in Chemical Engineering, and the son of Mr. and Mrs. Armin A. Bugg, 5835 Staley, Afton 23, Missouri. He has consistently appeared on the Dean's Honor List, is a member of AICHE, the Independents, and is on the MRHA Judicial Board.

SCHOLARSHIPS

(Continued From Page 5)

vice-president and general manager of the Company from 1937 until his death in 1952. Mr. Steinmesch was a graduate of Missouri School of Mines and Metallurgy, class of 1906, and for a time a member of the Mining Engineering faculty.

Recipients are: Paul John Koehler, and Martin Alan Thieme.

The Caterpillar Tractor Co. has established a scholarship in physical metallurgy at Missouri School of Mines and Metallurgy to assist a junior or senior student in the Department of Metallurgical Engineering. Student must have an outstanding academic record and have demonstrated qualities of leadership. The recipient for this school year is Edwin Keith Malmgren.

Geologists on Field Trip

Two staff members, Prof. O. R. Grawe and Prof. A. H. Brownlow of the Geology Department attended the Association of Missouri Geologists' field conference at Cape Girardeau, Missouri, September 28 and 29. Represented in the conference were about one hundred geologists from schools, government, industry, and consulting firms. They met to investigate the structure and topography of the Cape Girardeau area.

UPTOWN THEATRE

MOVIES IN CINEMASCOPE

Fri. Thru Tues. Oct. 5-9

Sunday Feature Shown
1:15, 4:05, 6:55, 9:30

'The Spiral Road'

Rock Hudson & Burl Ives

Wed., Thurs. Oct. 10-11

Kiwanis Minstrel
On Stage

RITZ THEATRE

MOVIES ON WIDE SCREEN

Fri., Sat. Oct. 5, 6

Saturday Continuous from 1 p. m.

'Dragnet'

Jack Webb & Ben Alexander

—PLUS—

'The Young Land'

Pat Wayne & Yvonne Craig

Sun., Mon., Tues. Oct. 7-9

Sunday Continuous from 1 p. m.

'Cape Fear'

Gregory Peck & Robert Mitchum

—PLUS—

'Born Reckless'

Mamie Van Doren & Jeff Richards

Wed., Thurs. Oct. 10-11

'Too Late Blues'

Bobby Darin & Stella Stevens

—PLUS—

'The Happy Thieves'

Rita Hayworth & Rex Harrison

ROLLA DRIVE IN

SHOWS START AT 7 P. M.

Fri., Sat. Oct. 5-6

'Sign of the

Gladiators'

Anita Ekberg & George Marshall

—PLUS—

'Don't Knock the

Twist'

Chubby Checker & Linda Scott

Sun., Mon. Oct. 7-8

'The Facts of Life'

Bob Hope & Lucille Ball

—PLUS—

'Alaska Passage'

Bill Williams & Nora Hayden

Tuesday Oct. 9

DOLLAR A CARLOAD

'Doctor Blood's Coffin'

Hazel Court and Ian Hunter

—PLUS—

'Subway in the Sky'

Van Johnson & Hildegard Neff

Wed., Thurs. Oct. 10-11

'Compulsion'

Orson Welles & Diane Varsi

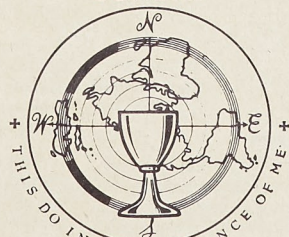
—PLUS—

'Stowaway Girl'

Trevor Howard & Elsa Martinelli

CHRIST CALLS YOU

SUNDAY



OCTOBER 7, 1962
WORLD-WIDE
COMMUNION

at the

First Presbyterian Church

8:30 a. m. and 11:00 a. m.

Olive Street at Sixth

Rolla, Missouri

REV. G. SCOTT PORTER, Pastor

REV. LAWRENCE FELICE, U.C.C.F. Campus Minister

ALL REMAINING
MINER
FOOTBALL GAMES
WILL BE
BROADCAST ON
RADIO STATION
— K T T R —
BEGINNING
SATURDAY, OCT. 6

ON
THURS. & FRI.
October 25-26

YOU
CAN TAKE
A BIG STEP
CLOSER TO
YOUR FUTURE

That's when the Linde Company representative will be on campus. He will be interviewing qualified engineering students who feel their future lies in research or applied engineering.

The LINDE Laboratories, for example—at Tonawanda (Buffalo), N. Y., Speedway (Indianapolis), Ind., and Newark, N. J.—provide an unusually stimulating environment for the scientific-minded to grow and develop. The many achievements of LINDE people in research and applied engineering have borne a rich harvest of progress: Over half of LINDE's current sales volume comes from products and facilities that did not even exist 15 years ago.

Plan now to save this date for the LINDE representative... and get one step closer to your future. Contact your engineering placement office for an appointment.

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MSM Grad Among Seven SME Officers

Edward G. Fox, of Washington, D. C., has been elected President of the Society of Mining Engineers for one year beginning next February, during the 92nd Annual Meeting, in Dallas, Texas, of the American Institute of Mining, Metallurgical, and Petroleum Engineers. The Society, which is the professional organization in the United States for engineers and geologists in the minerals industries, is a constituent part of the Institute.

Mr. Fox will succeed William B. Stephenson, of Paoli, Pa. The latter has been elected a Vice President of the Institute. Mr. Fox, currently a Director of the Institute, is President of the Bituminous Coal Operators Association.

Others elected by the Society, also to take office in February, are: President-Elect, to succeed Mr. Fox in 1964 for one year — Dr. Sanford S. Cole, of South Amboy, N. J., Assistant Manager, Research, Titanium Division, National Lead Company. He received his B. S. and M. S. degrees at Alfred University and his Ph. D. at Pennsylvania State College, now The Pennsylvania State University.

Vice President, Western Region, for three years — Evan Just, Professor of Mining and Head of the Department of Mineral Engineering, Stanford University. He is a graduate of Northwestern University and holds an Honorary degree of Doctor of Engineering from the Montana School of Mines.

Director for three years, representing the Mining Exploration Division — John G. Hall, of Taha-wus, N. Y., Plant Manager, Titanium Division, National Lead Company. He is a graduate of the University of Utah School of Mining and Engineering.

Director for three years, representing the Mining and Exploration Division — J. W. Chandler, of New York City, Manager, Mining Dept., American Metal Climax, Inc. He holds B. S. and Engineer of Mines degrees from Michigan College of Mines and Technology.

Director for three years, representing the Minerals Beneficiation Division — Neil Plummer, of Magna, Utah, Superintendent, Operations, Magna Concentration, Utah Copper Division, Kennecott Copper Corp. He holds a Missouri School of Mines B. S. degree.

Director for three years representing the Industrial Minerals Division — Dr. Frederick C. Kruger, of Skokie, Ill., Director of Mining and Exploration, International Minerals and Chemical Corp. His undergraduate work at the University of Minnesota was followed by studies at Harvard leading toward his doctorate.

Mr. Fox, who will become the Society's 1963 President, has had an outstanding career which brought him in 1956 the Distinguished Alumnus Award of The Pennsylvania State University. He received the University's B. S. in Mining in 1925 and the degree of Engineer of Mines in 1928. His career began with the J. G. White Corp.

Rifle Team Schedule

October 13	Kansas State College of Pittsburg (S) (Here)
October 20	University of Idaho (P) Lincoln University
October 26	Mississippi Valley Inv. (S) (St. Louis)
October 27	Knox College (P) Northeastern University (P)
November 3	Washington University (S) (St. Louis) University of Wisconsin Purdue University
November 10	Southwest Mo. State Col. (S) (Springfield) Notre Dame (P) North Carolina State College (P)
November 16-17-18	Kansas State U. Inv. (S) (Manhattan)
December 1	University of Missouri (S) (Columbia) Marquette University (P) Alliance College (P)
December 8	Michigan College of Min. & Tech. (P)
December 14	Tulane University (P)
February 9	MRA Sectionals (S) (St. Louis) Virginia Military Institute (P)
February 10	Washington State University (P)
February 15-16-17	Kansas State College Inv. (S) (Pittsburg)
February 23	University of Missouri (S) (HERE) University of Wyoming (P) Colorado School of Mines (P)
March 2	Little Camp Perry (S) (Boonville)
March 9	Washington U., SMS (S) (HERE) Westminster College (P) Brotton University (P)
March 23	KSC of Pittsburg (S) (Pittsburg) University of Alaska (P) Rome Polytechnic Institute (P)

S — SHOULDER MATCH
P — POSTAL MATCH

Telstar, the world's first trans-Atlantic space satellite television relay, is sending scientific data back to earth in addition to amplifying and resending communications between Europe and the United States.

A moving platform as big as a baseball diamond will carry fully assembled Saturn C-5 rockets, each over 30 stories tall, from an assembly hangar to their launch pads several miles away. The Saturn vehicle will be used in future manned lunar launchings.

LITTLE MAN ON CAMPUS



— IN CONCLUSION, WE LOOK WITH HOPE AND COURAGE TO TOMORROW WHEN WE BEGIN TO PLANT OUR ROOTS AND TO TAKE OUR PLACE IN OUR COMMUNITY — COMMUNITY — COM — — —

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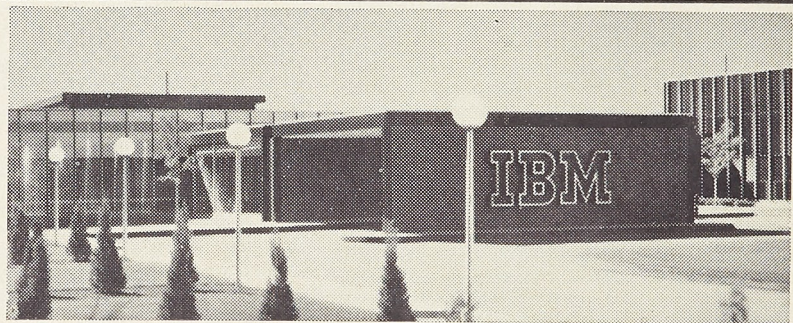
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IBM WILL INTERVIEW OCTOBER 16-17



Candidates for Bachelor's or Master's Degrees are invited to discuss opportunities in:

This is a unique opportunity to find out about the many career opportunities at IBM. The IBM representative can discuss with you typical jobs, various training programs, chances for advanced education, financial rewards, and company benefits—all important factors that affect your future.

SOME FACTS ABOUT IBM

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Diverse and Important Products: IBM develops, manufactures and markets a wide range of products in the data processing field. IBM computers and allied products play a vital role in the operations of business, industry, science, and government.

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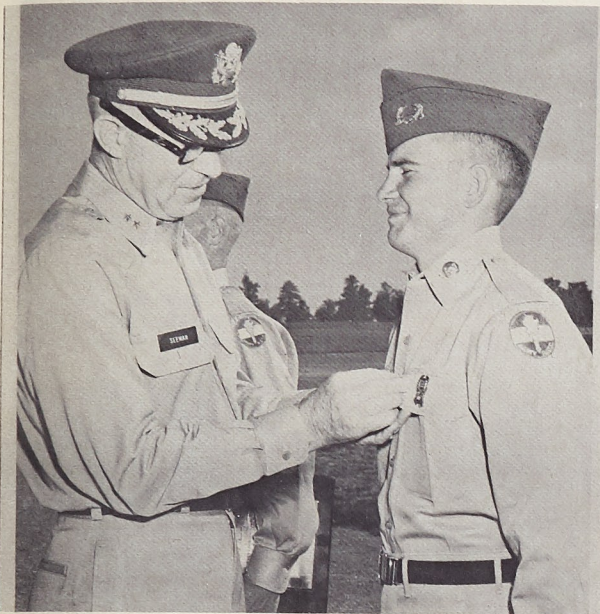
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94 MSM Students Attend Summer Camp

The largest contingent of cadets from any one school attending the 1962 Engineer ROTC Summer Camp at Fort Leonard Wood, Missouri, was from MSM. Some 340 cadets from 18 colleges and universities attended the Summer Camp; ninety-four of these were from MSM.

and Maintenance of Engineer Equipment, and Road Construction, along with many others.

The cadets were rotated equally through positions of leadership during the training period, and their performances in these positions were carefully observed and recorded for evaluation purposes.



Major General L. E. Seeman, Commanding General, Fort Leonard Wood, Missouri, presenting the Fort Leonard Wood ROTC Summer Camp Outstanding Cadet Award to Allan H. Laplante, Missouri School of Mines and Metallurgy at the 1962 Summer Camp final ceremonies, 3 August, 1962, Fort Leonard Wood, Missouri.

Colonel Glenn R. Taylor, Professor of Military Science, Missouri School of Mines and Metallurgy, was Deputy Camp Commander for the Summer Camp. His Staff, and the officer and non-commissioned officer cadre were selected from active Army personnel assigned ROTC duties at educational institutions within the Fourth, Fifth, and Sixth U. S. Army areas.

The six weeks of intensive training was begun on June 25 with a welcoming address by Maj. Gen. L. E. Seeman, Commanding General of Fort Leonard Wood, which was followed by a fire-power demonstration.

Being an Engineer ROTC Summer Camp, the training was weighted toward engineer subjects, although basic military subjects were covered.

Military engineering subjects included in the training were Riggering, Theater of Operations Construction, Rafts and Ferries, Construction of the Timber Trestle Bridge, Panel Bridge, Operation

The primary mission of the six week intensive training program was to develop the highest possible degree of proficiency in the prospective Second Lieutenants.

In addition to distinguished military visitors, educators from eight colleges and universities came to the camp to observe the training and visit the cadets from their schools. Included in this group were Dr. Harold Q. Fuller and Prof. Gordon L. Scofield from MSM.

The final ceremonies and ROTC Review were held on August 3. General Seeman, Colonel Taylor, and the 44 cadets commissioned in the Army Reserve and Regular Army formed the reviewing party. General Seeman presented the Fort Leonard Wood ROTC Summer Camp Outstanding Cadet Award to Allan H. LaPlante, from Missouri School of Mines and Metallurgy at this ceremony.

Dean and Mrs. Curtis L. Wilson were among the distinguished guests who attended the summer camp final ceremonies.

SPORTS

(Continued From Page 4)
rect, and 12 ties for a .763 average.

Another headline-grabber in the South will see 9th-rated Penn State tackle the 10th-ranked Rice Owls in Houston. The Lion will slip by the Owl with but one point to spare.

Harmon's upset of the week: Undeclared and once-tied Florida State, ranked 13th in The Top 20, will bump 15th-rated Miami by one point Friday night.

A quickie from the second 10 (and one of the best head-knockers in the country this week) — Iowa, number 11, gets the not by 4 points over the 12th-ranked Southern Cal Trojans.

Repeat reminder: The Top 20 is not a haven for undefeated teams! Games won and lost have no bearing on a team's position. Past performances against all opposition plus the caliber of that competition determines a team's true rating.

MEN LOST

(Continued From Page 1)

Hurter, Henry Donald
Inglis, James Larry
Johnson, Joseph Philip
Jones, David Soellner
Klesath, Vernon Leslie
Lehman, Dan Marsh
Middleton, Carol Ann
Miller, Gary Lynn
Miller, Richard James
Moran, Robert William
Moss, Howard Mitchell
Mugavero, Vincent Michael
Newsom, Robert Lee
Nielson, Darrell M.
Nori, Rajagopal
Northcutt, Maurice Loren
Parkes, Elbert V.
Patterson, Efton Keith
Ragland, James Michael
Range, Robert Donald
Recker, George William
Reinhart, Douglas Julius
Reinheimer, Charles Joseph
Rille, Ernest Paul
Roe, Gerald John
Rohrer, Roger Douglas
Sander, Gary Wayne
Schmidt, Daniel Robert
Schnake, Donald George
Schultz, Robert Leroy
Schwalbe, Robert Jack
Shippy, Gary Gene
Stambaugh, Paul Andrews
Stretch, James Ronald
Sutton, William Raymond
Tesson, John Terrence
Treibal, Bill Joseph
Watson, George Wiley
White, Philip Leland
Wilham, Keith Harold Jr.
Wilkins, Roy Arthur
Winters, William F.

Mr. Gans rubbed the sand out of his eyes in time to observe his son dragging the top half of a bikini bathing suit along the beach. "Now, sonny," he wheedled, "I want you to show Daddy exactly where you found it."

Student Union Holds First Campus Roundup



Organization at Campus Roundup.

How well is the average freshman, or even upper classman, on this campus acquainted with the various non-social campus organizations and how can they find out about these organizations?

This question has been of prime importance to many of the campus organizations for the last few years. With the increase in enrollment over these years it was surprising to find that many clubs and organizations were dying from lack of members, simply because the students didn't know about those organizations.

It is gratifying to find this year that the Student Union has decided to step into the picture. On September 18, the Student Union held their first Campus Roundup, a mixer designed to acquaint the Missouri Miners with the various campus organizations. The Roundup was well received with 21 stu-

dent organizations taking part and well over 300 or 400 students attending. The Roundup was considered a great success by all the organizations and the Student Union plans to continue holding these Campus Roundups in the following years. The present plans call for a greatly enlarged Roundup next year with the mixer to be held the night of upper class registration day.

Jack Benny is the only man I know who has a single-edge razor and buys double-edge blades. Then cuts them in half.

I don't want to do any spear fishing, because I might run into an octopus. There's something romantic about two arms around you, but the mood changes as the number increases.



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Kansas Teachers Whip Miners 28-6 for 18th Straight Win

Kansas State Teachers College was the host to our Miners on Saturday, September 29. An early crowd, which totaled 10,000 was on hand for the pre-game warm-up of both teams.

With the help of their little All-Americans, the Kansas State Teachers College handed the Miners their second defeat in a row with a score of 28-6. Incidentally, this was the eighteenth straight victory for the Kansas State team. Harlan Hess, who hails from Adrian, Missouri, a tackle, switched to end, showed his toughness throughout the game and his team-mate Jerry Archer followed him up with a splendid job at his center position.

For the Miners, fullback William Kauffmann lead the major attack as our biggest ground gainer against KSTC. Kauffmann scored the team's lone touchdown in the fourth period when he literally ran 35 yards through and out of the grips of three Kansas State players. Kansas State scored two touchdowns in the first and second quarters, leaving the third quarter scoreless only to come back and pick up two more touchdowns in the final period. The first came early in the fourth quarter; while the last touchdown came in the final five seconds. Kansas State blocked a Miner punt and one of their players raced 30 yards, with time running out, to score. Of course, all the extra-point attempts were good.

While the team has been working harder and harder, Bob Olsen will be out of the line-up due to a knee injury during this game. That rules out his services when the University of Tennessee (Mar-

tin Branch) invades our campus this Saturday.

It is interesting to note that the average age for the Kansas State team was 23; while, the Miners are sporting a relatively low age of 19. Also, in the first three games, we see that the air attack

by our Miners has been very spotty; but, we hope this weekend proves a complete turn-about in that department. No doubt the experience gained against this relatively older team will help our team against future opponents this season.

Intramural Cross Country Meet Set for Oct. 26th

A real test of physical endurance is the yearly Cross Country race which starts this year on October 26 and will prove one of the most interesting and most enduring intramural sports at MSM. This one and nine-tenths mile race proves a runner's stamina and physical condition without a doubt. A great deal of hard work and intensive training go into the making of a cross country runner.

The record was broken last season when Creig Dunn of Sigma Phi Epsilon cut the former record of eleven minutes down to ten minutes thirty-seven seconds. The former record was set by Jim Warner of Kappa Sigma Fraternity. Records are made to be broken, and the intramurals give Miners the chance to do it. Here a man can prove himself and show his athletic prowess.

The champion Cross Country teams over the years are divided among several organizations. Listed below are the winning teams for the last ten years.

1962 — Kappa Alpha, champion; Kappa Sigma, runner-up.

1961 — Kappa Alpha, champion; Sigma Nu, runner-up.

1960 — Sigma Nu, champion; Tech Club, runner-up.

1959 — Lambda Chi Alpha, champion; Kappa Alpha, runner-up.

1958 — Tech Club, champion; Tau Kappa Epsilon, runner-up.

1957 — Tech Club, champion; Triangle and Engineers Club, runner-up.

1956 — Sigma Nu, champion; Wesley Foundation, runner-up.

1955 — Tech Club, champion; Lambda Chi Alpha, runner-up.

1954 — Tech Club, champion; Tau Kappa Epsilon, runner-up.

1953 — Sigma Nu, champion; Kappa Sigma, runner-up.

For the last three years Intramural Cross Country has been run on the MSM Golf Course with an improved course pattern over a rougher terrain. Previous to 1959 this intramural sport was run during half time of the Homecoming football game. The course started on the straight away cinder track in front of the football stands and after one and a half laps continued around the campus and back to the football field. The length of this course was one and one fifth miles.

This year intramural cross country starts the night before Homecoming at five o'clock. Entries from each team are due on October 22. This season promises a very good race. Even now one can see runners working out for the big event.

This is a race of champions where each man is running for himself. There is no team to back him up if he slips a little so the individual is on his own. This is the race that combines physical endurance, perseverance, and ability.

NOTICE!

The deadline for football prediction No. 1 for the Miner-Cape game is October 12th.

Four more predictions will follow, and all must be turned in to win.

MSM Go Against Martin Branch of Tennessee Next

On Saturday, October 6, the Missouri Miners will play host to the Martin Branch of the University of Tennessee, located in Martin, Tennessee.

It is the Miners understanding that the Miners will be up against the fastest team, offensively speaking, that they will encounter all season. Coach Robert Carroll, of the UTMB Vols, has at his command a starting backfield which is identical to that of the 1961 campaign. These speedsters are: Wilbut Edmiston, Darrel Smith, Gene Brodie and Vernon Prather. Just to show you football fans how efficient these men are, Edmiston, who won the scoring crown of Tennessee in 1960, was runner-up last season to the same title. Prather led the Volunteer State Athletic Conference in passing and in total offense, which is nothing to sneeze at; while Smith led in the rushing department.

The weakness of the Vols lies with the linemen. It is here that UTMB will have to juggle sophomores in order to perfect the team for its title outlook. Since Coach Bullman is fully aware of this, we are sure that he will employ his biggest asset which is that of the linemen.

To date, the positions that are still not permanently tied down are that of offensive and defensive left-halfback, an offensive and defensive end, besides that "magic combination" Coach Bullman is

looking for in the offensive backfield. The practice sessions are stressing defensive backfield patterns.

This Tennessee team operates out of a winged-T formation; consequently, their attack is kept on the ground, utilizing the breakaways backs on end sweeps and reverse plays. They also keep away from the "belly series" of plays to keep from injuring their prize backfield. An interesting fact brought out by Coach Bullman concerns punting. The strategy here is control punting, high lofty kicks, which prevents any speedster from utilizing his blockers. The students and fans can be proud of the fact that Kauffmann and Alford lead the conference with average punts of 38 and 37 yards respectively.

Last year was not exactly a close game; UTMB won by the score of 50-22.

So far this year, the Vols have rolled over Arkansas State and Austin Peay State by very impressive scores.

Their squad analysis shows 6 lettermen lost this year. However, a total of 22 lettermen are returning with valuable experience. Non-letterman returning number 10; while 6 transfer students have been added to the team giving Coach Robert Carroll a healthy staff to work with this season.

We hope all the Miner fans will be in the stands come this Saturday—good luck Miners.

SIDELINES

by Bob Fogler

Missouri School of Mines can boast of one of the best intramural collegiate athletic programs in the country. The program definitely fills a gap in the lives of MSM students, who spend most of their time studying. This program has so many different sports that almost all students can play at least one.

There is fierce competition among the various organization on campus who field the teams. The team with the most intramural points wins the intramural trophy. To make a good showing, a team must place well in the major sports, such as football, basketball, and softball. Along with the major sports, quite a few points can be earned by active participation in the minor sports. These minor sports are mostly individual sports, so that an student can distinguish himself as well as his organization.

This list of minor sports includes handball, golf, ping-pong, rifle, and horseshoes. Right now ping-pong and tennis singles are being played off.

Another good feature about the individual minor sports is that some of them can be entered by an individual who belongs to no organization.

Cross Country Schedule

*October 6	Lincoln University	Here
October 10	Westminster College	Here
October 13	Southwest Missouri State	Here
October 16	Kansas State Teachers	Here
October 26	Intramural Meet	
October 20	Lincoln University	Jefferson City
October 24	Westminster College	Fulton
**October 27	Central Missouri State	Here
October 31	Southeast Missouri State	Here
November 3	Southwest Missouri State	Springfield
November 7	St. Louis U. & McMurry College	St. Louis
November 10	M. I. A. A. Conference Meet	Here
November 18	N. C. A. A. Meet	Wheaton, Ill.
* Parents Day		
** Homecoming		

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